L Number		Search Text	DB	Time stamp
-	5	((detect\$3 near3 edge) same (brightness and saturation and hue)) and (358/\$.ccls. or	USPAT; US-PGPUB;	2003/12/24 08:31
		382/\$.ccls.)	EPO; JPO;	
			DERWENT;	
		(///	IBM_TDB	
-	4	(((determin\$5 or sort or extract\$3) near3 edge) same ((bright\$4 or luminan\$2) and	USPAT; US-PGPUB;	2003/12/19 15:32
		saturation and hue)) and (358/\$.ccls. or	EPO; JPO;	
		382/\$.ccls.)	DERWENT;	
_	2	(((determin\$5 or sort or select or extract)	IBM_TDB USPAT;	2002/12/10 15.44
	2	near3 edge) same ((bright\$4 or luminan\$2)	US-PGPUB;	2003/12/19 15:44
		and saturation and hue)) and (358/\$.ccls. or	EPO; JPO;	
		382/\$.ccls.)	DERWENT;	
_	7	(((determin\$5 or sort\$3 or select\$3 or	IBM_TDB USPAT;	2003/12/24 08:33
	•	extract\$3) near3 edge) same ((bright\$4 or	US-PGPUB;	2003/12/24 00.33
		luminan\$2) and saturation and hue)) and	EPO; JPO;	
		(358/\$.ccls. or 382/\$.ccls.)	DERWENT;	
-	9	(((determin\$5 or sort\$3 or select\$3 or	IBM_TDB USPAT;	2003/12/24 08:26
		extract\$3) near3 edge) same ((bright or	US-PGPUB;	2003, 22, 21 00:20
1		brightness or luminance) and saturation and	EPO; JPO;	
		hue))	DERWENT;	
- 1	2	(((determin\$5 or sort\$3 or select\$3 or	<pre>IBM_TDB USPAT;</pre>	2003/12/24 08:26
		extract\$3) near3 edge) same ((bright or	US-PGPUB;	
		brightness or luminance) and saturation and	EPO; JPO;	
		hue)) same black	DERWENT; IBM TDB	
-	10	(((determin\$5 or sort\$3 or select\$3 or	USPAT;	2003/12/24 08:43
		discover or process or extract\$3 or	US-PGPUB;	. ,
		detect\$3) near7 edge) same (brightness and saturation and hue)) and (358/\$.ccls. or	EPO; JPO;	1
		382/\$.ccls. or 345/\$.ccls. or 348/\$.ccls or	DERWENT; IBM TDB	
		702/\$.ccls)	12122	
-	5	(((determin\$5 or sort\$3 or select\$3 or	USPAT;	2003/12/24 08:50
		discover or process or extract\$3 or detect\$3) near7 edge) same (brightness and	US-PGPUB; EPO; JPO;	
		saturation and hue)) and black and	DERWENT;	
		(358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls.	IBM_TDB	
_	25	or 348/\$.ccls or 702/\$.ccls) (((determin\$5 or sort\$3 or select\$3 or	IIODAM.	2002/12/24 00 05
	25	identify or discover or process or extract\$3	USPAT; US-PGPUB;	2003/12/24 09:05
		or detect\$3) near9 edge) same ((lumin\$6 or	EPO; JPO;	,
		brightness or lightness) and saturation and	DERWENT;	
		hue)) and black and (358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls. or 348/\$.ccls or	IBM_TDB	
		702/\$.ccls)		
-	8	(((determin\$5 or sort\$3 or select\$3 or	USPAT;	2003/12/24 09:06
		identify or discover or process or extract\$3 or detect\$3) near9 edge) same ((lumin\$6 or	US-PGPUB; EPO; JPO;	
		brightness or lightness) and saturation and	DERWENT;	
		hue)) and (black near7 edge) and	IBM_TDB	
		(358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls.	_	
_	2	or 348/\$.ccls or 702/\$.ccls) (pseudo or quasi) near5 black adj5 edge	USPAT;	2003/12/29 14:25
	~		US-PGPUB;	2003/12/23 14.25
			EPO; JPO;	
			DERWENT;	
-	19	(((pseudo or quasi) near5 black)) and (edge	IBM_TDB USPAT;	2003/12/29 11:03
		near4 (detect\$3 or sens\$3))	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
2.00	0	((((pseudo or quasi) near5 black)) and (edge	USPAT;	2003/12/29 11:04
		near4 (detect\$3 or sens\$3))) and (bright and	US-PGPUB;	
		saturat\$3 and hue)	EPO; JPO;	
			DERWENT; IBM TDB	

-	4	((((pseudo or quasi) near5 black)) and (edge near4 (detect\$3 or sens\$3))) and (light and saturat\$3 and hue)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 11:04
-	7	((pseudo or quasi) near5 black) near4 edge	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 11:19
-	359	((pseudo or quasi) near5 black)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 13:59
-	1	6417932.pn. and black and dark	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 14:17
-	0	((dark adj2 blue) or (dark adj2 green)) same (edge near detect) and black	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 14:19
-	1	((dark adj2 blue) or (dark adj2 green)) same (edge near3 detect) and black	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/31 10:09
-	34	((dark adj2 blue) or (dark adj2 green)) and (edge near3 detect) and black	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 14:20
-	6	((pseudo or quasi) near8 black) and (edge near5 detect\$3) and (dark or deep)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 14:28
-	o	((pseudo or quasi) near8 black) and (edge near5 detect\$3) and ((dark or deep) adj2 (blue or green))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 14:29
-	118	(edge near5 detect\$3) and ((dark or deep) adj2 (blue or green))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 14:30
-	90	((edge near5 detect\$3) and ((dark or deep) adj2 (blue or green))) and black	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 14:29
-	39	(edge near5 detect\$3) and ((dark or deep) adj2 (blue or green)) same black	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 14:51
-	3	(edge near5 detect\$3) and ((dark or deep) adj2 (blue or green)) same (black adj edge)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 15:20
-	3	threshold and ((dark or deep) adj2 (blue or green)) same (black adj edge)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 15:21

Page 2

_	17	threshold same (black adj edge) and hue	USPAT; US-PGPUB; EPO; JPO;	2003/12/29 15:26
			DERWENT; IBM TDB	
-	38	(threshold or level) same (black adj edge) and hue	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 15:26
-	21	((threshold or level) same (black adj edge) and hue) not (threshold same (black adj edge) and hue)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/29 15:26
-	83	(edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/30 10:12
-	17	((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (bright\$4 or light\$4 or lumin\$7)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/30 09:51
-	17	((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (threshold or limit)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/30 09:52
-	0	(((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (threshold or limit)) not (((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (bright\$4 or light\$4 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 09:52
_	0	<pre>lumin\$7)) (((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (bright\$4 or light\$4 or lumin\$7)) not (((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and hue and (threshold or limit))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 09:52
-	35	((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black) and dark	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 09:53
-	86	<pre>(edge or character or text) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/30 10:16
-	599	(black near3 (edge or character or text) near3 (detect\$3 or sens\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/30 10:17
-	89	((black near3 (edge or character or text) near3 (detect\$3 or sens\$3))) and hue and (bright or light or lumin\$7) and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/30 10:18
-	86	(((black near3 (edge or character or text) near3 (detect\$3 or sens\$3))) and hue and (bright or light or lumin\$7) and threshold) not ((edge or character) near3 (detect\$3 or sens\$3) and (pseudo or nea\$1 or quasi) adj3 black)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 15:21

_	12	(non adj black) near4 edge	USPAT;	2003/12/30 15:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	(almost adj2 black) near4 edge	USPAT;	2003/12/30 15:25
]			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	İ		IBM_TDB	
-	4	(nearly adj2 black) near4 edge	USPAT;	2003/12/30 15:25
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000 (10 (00 15 07)
-	1	(possibl\$ adj black) near6 edge	USPAT;	2003/12/30 15:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		(1 2 A - 24 C 1-1 1-1	IBM_TDB	2002/12/20 15:44
_	59	(possibl\$ adj6 black) near8 edge	USPAT;	2003/12/30 15:44
I			US-PGPUB;	
			<pre>EPO; JPO; DERWENT;</pre>	
ŀ			· ·	
	7	(mossible adic black) nears adoct and has	<pre>IBM_TDB USPAT;</pre>	2003/12/30 15:28
-	'/	((possibl\$ adj6 black) near8 edge) and hue	US-PGPUB;	2003/12/30 13:20
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	531	((non or pseudo or near\$2 or quasi or almost	USPAT;	2003/12/30 15:48
-	531	or possibl\$) adj6 black) near8 (edge or	US-PGPUB;	2003/12/30 13.40
		character or text)	EPO; JPO;	
		Character of text)	DERWENT;	
			IBM TDB	i
_	108	(((non or pseudo or near\$2 or quasi or	USPAT;	2003/12/30 15:48
_	100	almost or possibl\$) adj6 black) near8 (edge	US-PGPUB;	2000, 22, 33
		or character or text)) and (hue or lightness	EPO; JPO;	
		or lumin\$5) and threshold	DERWENT;	
İ		or ramings, and one of the second of the sec	IBM TDB	
_	228	((non or pseudo or near\$2 or quasi or almost	USPAT;	2003/12/30 15:48
		or possibl\$) adj3 black) near4 (edge or	US-PGPUB;	
		character or text)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	86		USPAT;	2003/12/31 08:30
		almost or possibl\$) adj3 black) near4 (edge	US-PGPUB;	
		or character or text)) and (hue or bright or	EPO; JPO;	
		light or lumin\$5) and threshold	DERWENT;	
			IBM_TDB	0000/00/00
-	0	detect\$3 adj2 dark adj2 (green or blue or	USPAT;	2003/12/31 08:31
		red) adj2 edge	US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
	_	(doub odd) (mmor blue or d) d-0 d)	IBM_TDB	2003/12/31 08:35
-	4	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/12/31 08:35
1		and black and threshold	US-PGPUB;	
	1		EPO; JPO; DERWENT;	
			IBM TDB	
_	3	(dark adj2 (green or blue or red) adj2 edge)	USPAT;	2003/12/31 09:23
_		and hue and threshold	US-PGPUB;	2003, 22, 32 03 120
	1	and had and chroniora	EPO; JPO;	
1	1 -		DERWENT;	
			IBM TDB	
_	16	(black adj2 edge) near4 decision	USPAT;	2003/12/31 09:23
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM TDB	
			DERWENT;	

-	26	dark adj2 (green or blue or red) adj2 edge	USPAT;	2003/12/31 09:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	123	(((dark adj2 blue) or (dark adj2 green))	USPAT;	2003/12/31 13:04
		same edge) and black	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	
-	18	detect adj2 dark adj2 edge	USPAT;	2003/12/31 13:21
			US-PGPUB;	
			EPO; JPO;	
ļ			DERWENT;	
_	106	(detect or extract) adj3 (dark or color)	USPAT;	2003/12/31 13:22
İ	100	adj2 (edge or text or character)	US-PGPUB;	2003/12/31 13.22
		adju todge of cone of charactery	EPO; JPO;	
	ļ		DERWENT;	
			IBM TDB	
-	11	((detect or extract) adj3 (dark or color)	USPAT;	2003/12/31 13:22
		adj2 (edge or text or character)) and black	US-PGPUB;	
		and hue	EPO; JPO;	
			DERWENT;	
			IBM TDB	